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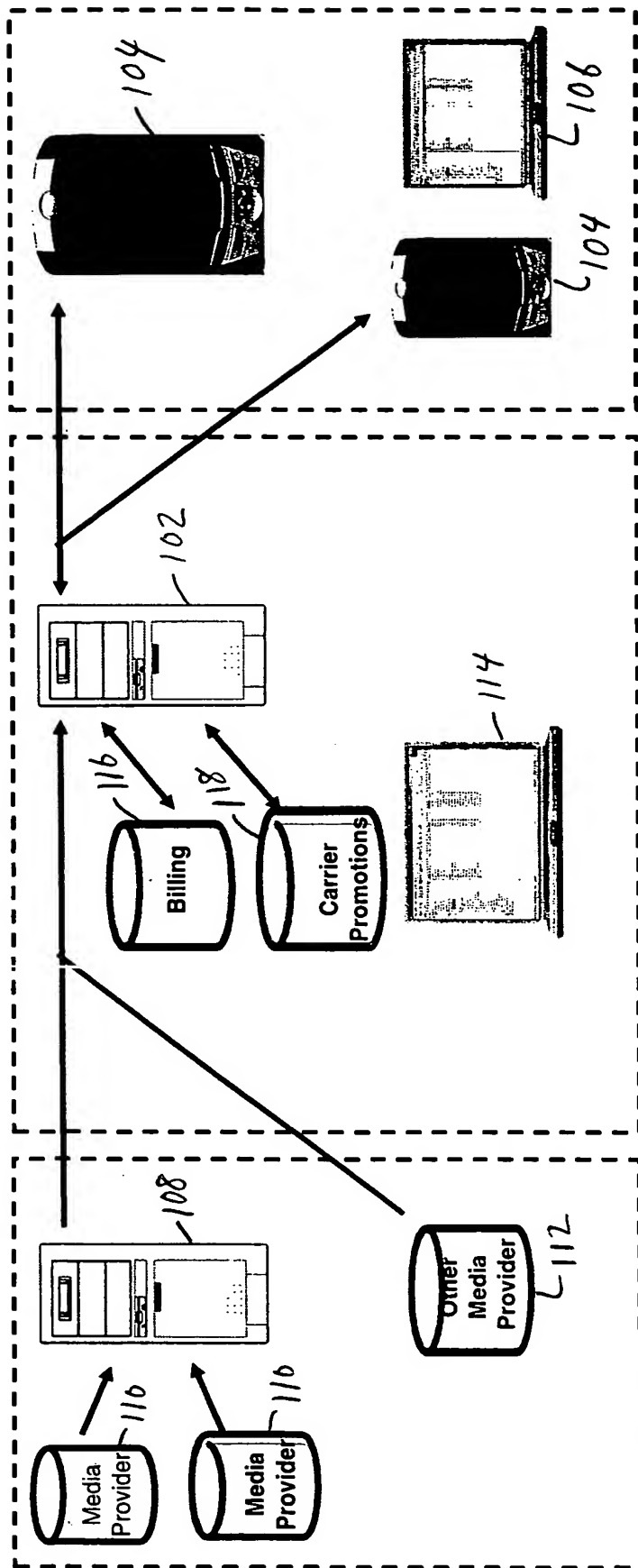
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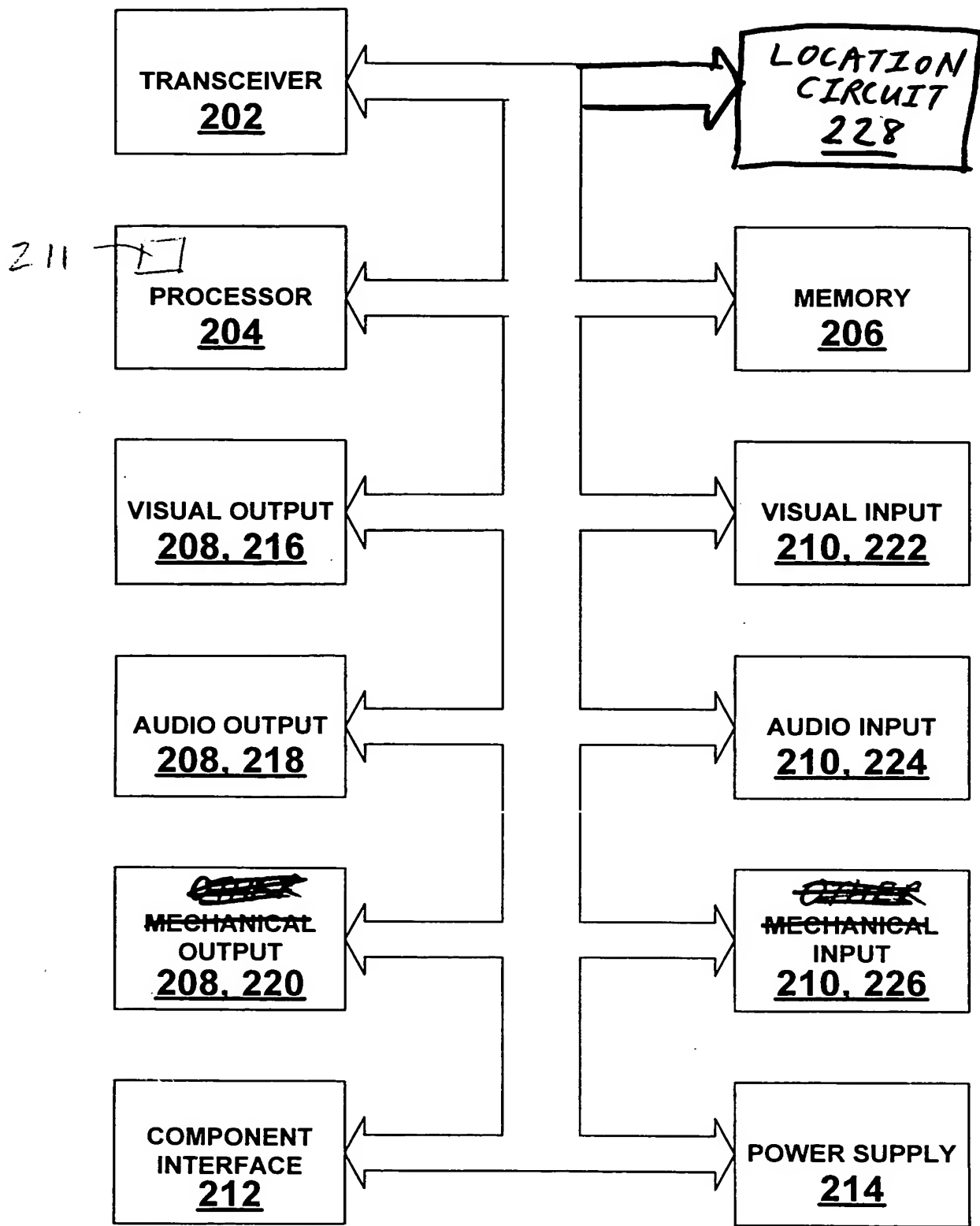
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100

FIG. 1



200

FIG. 2

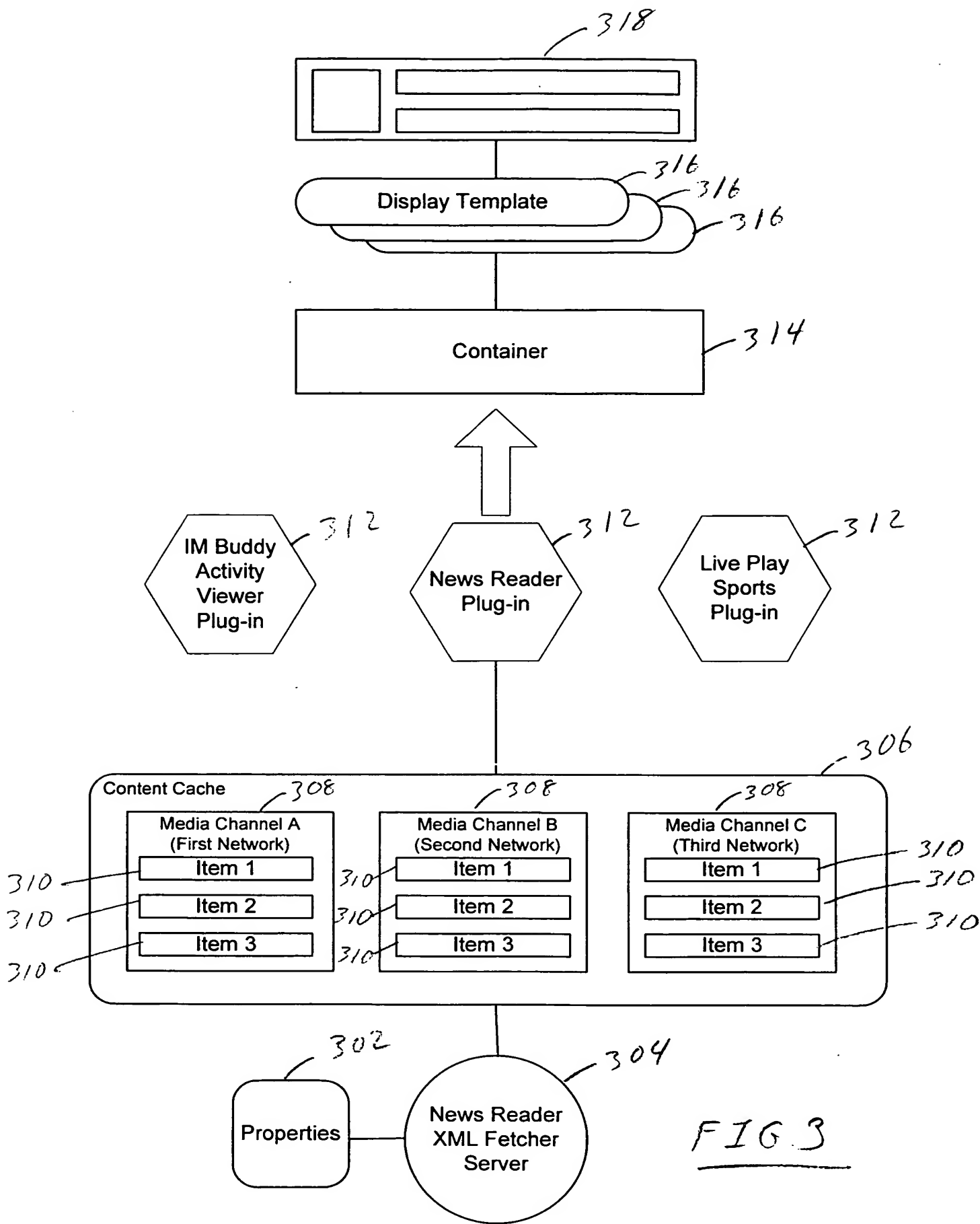


FIG 3

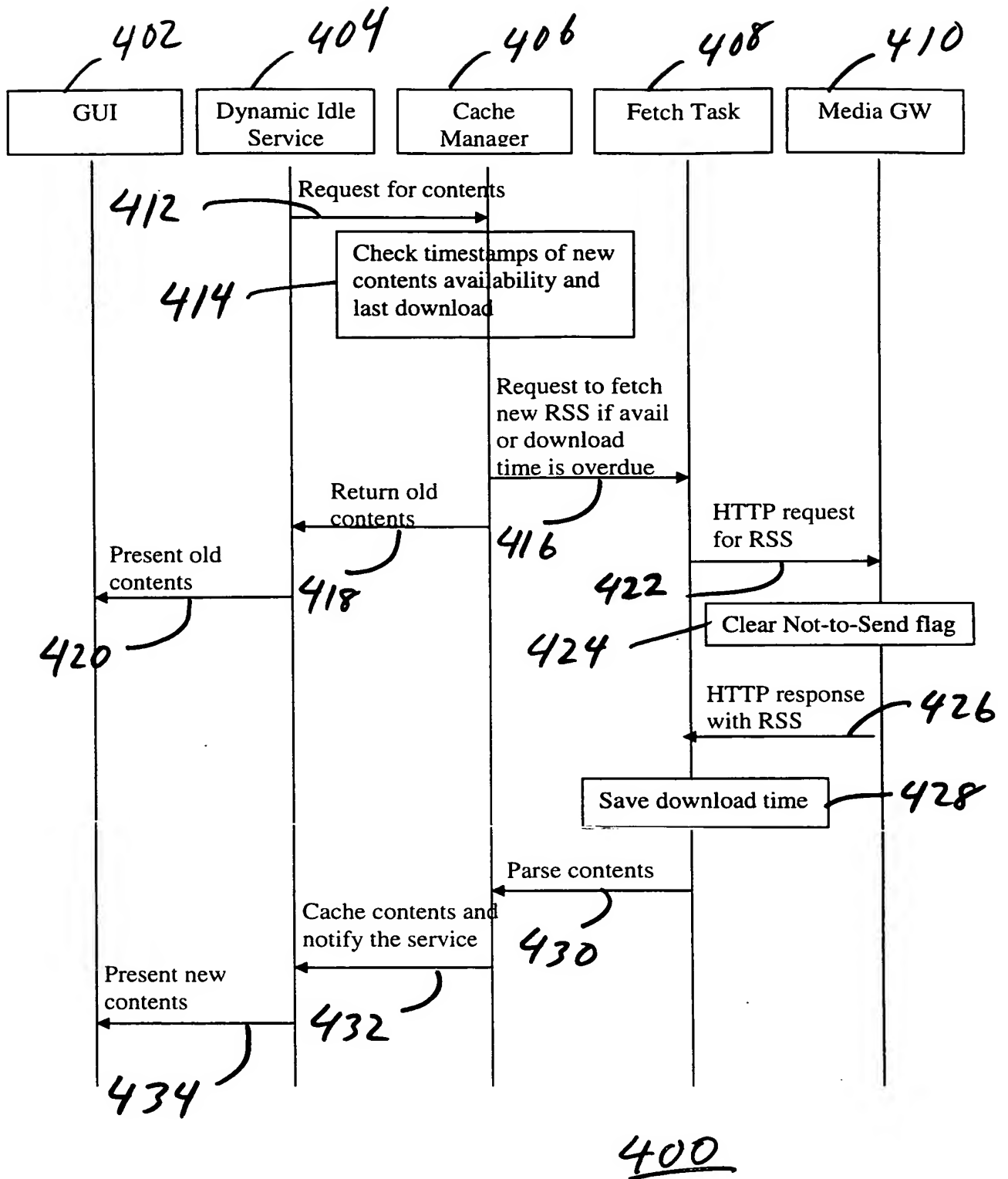
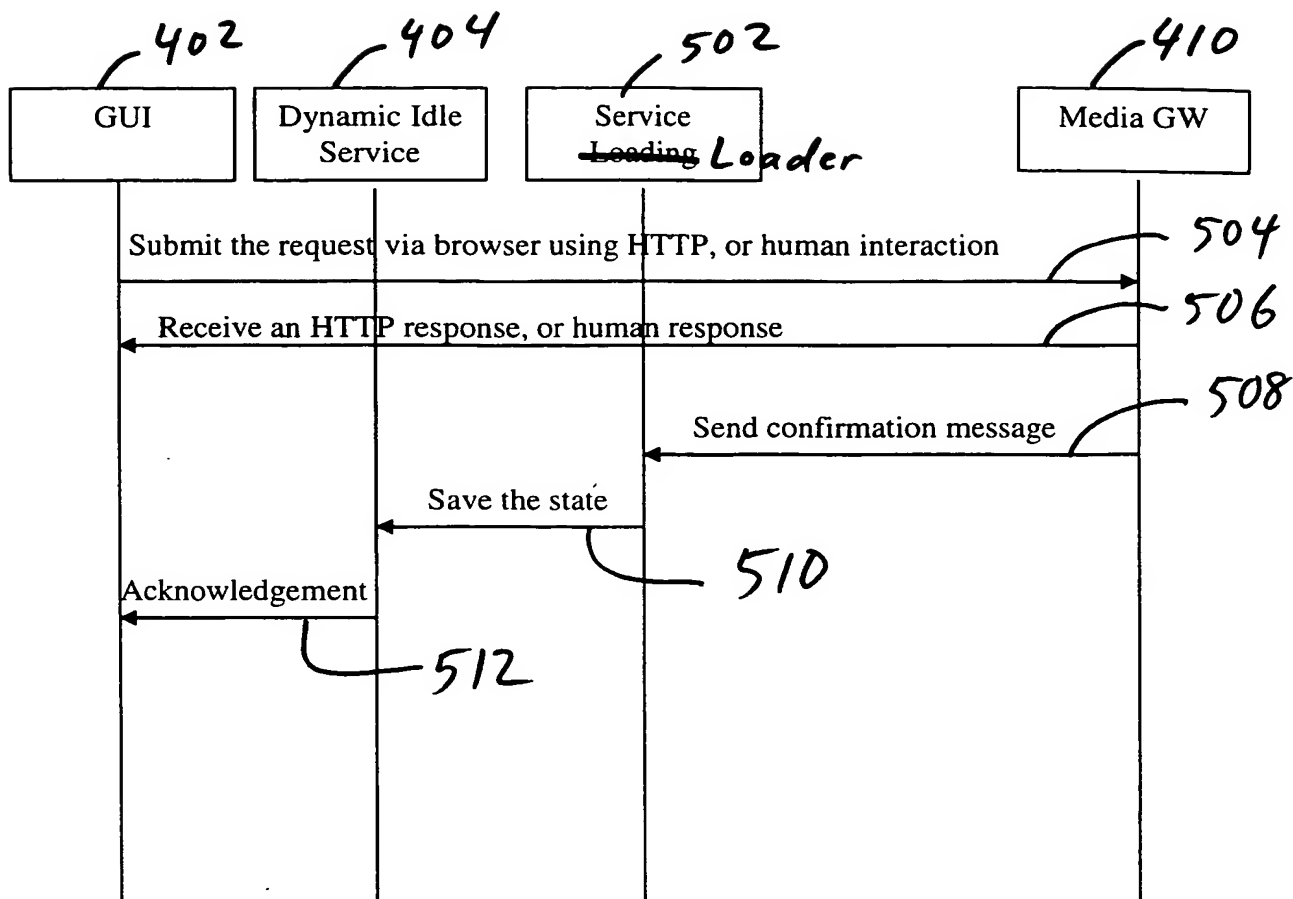
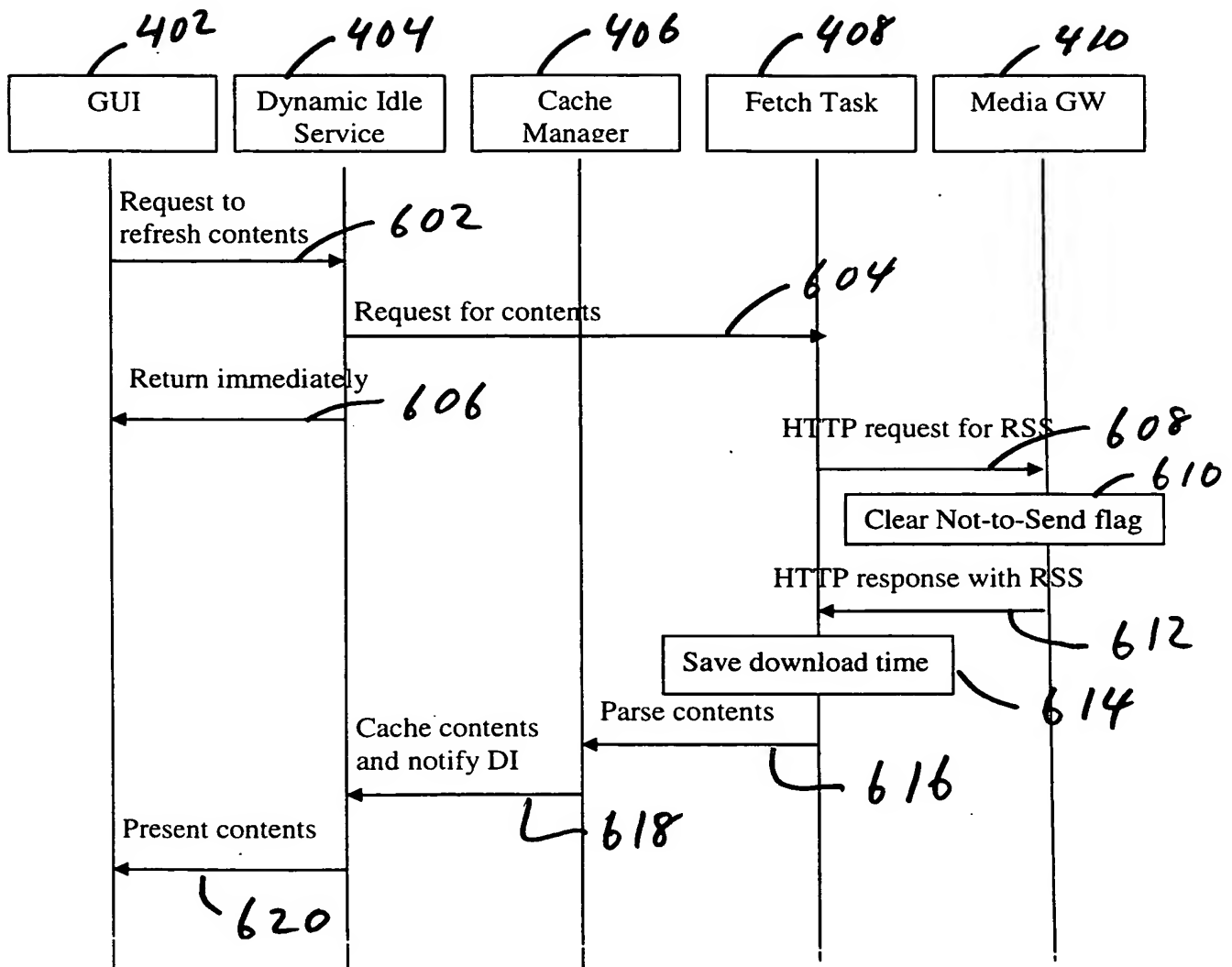


FIG. 4



500

FIG. 5



600

FIG. 6

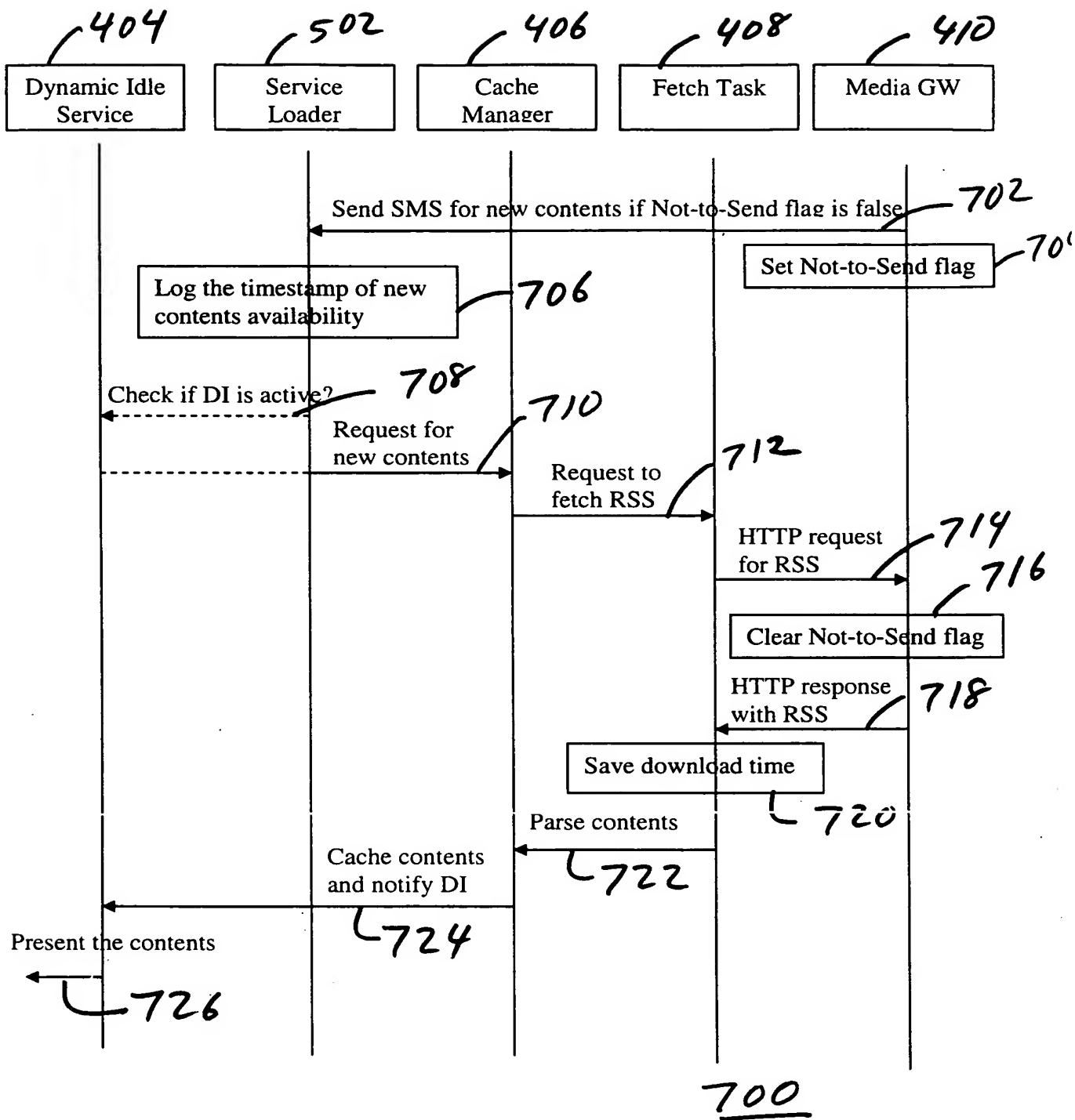


FIG. 7

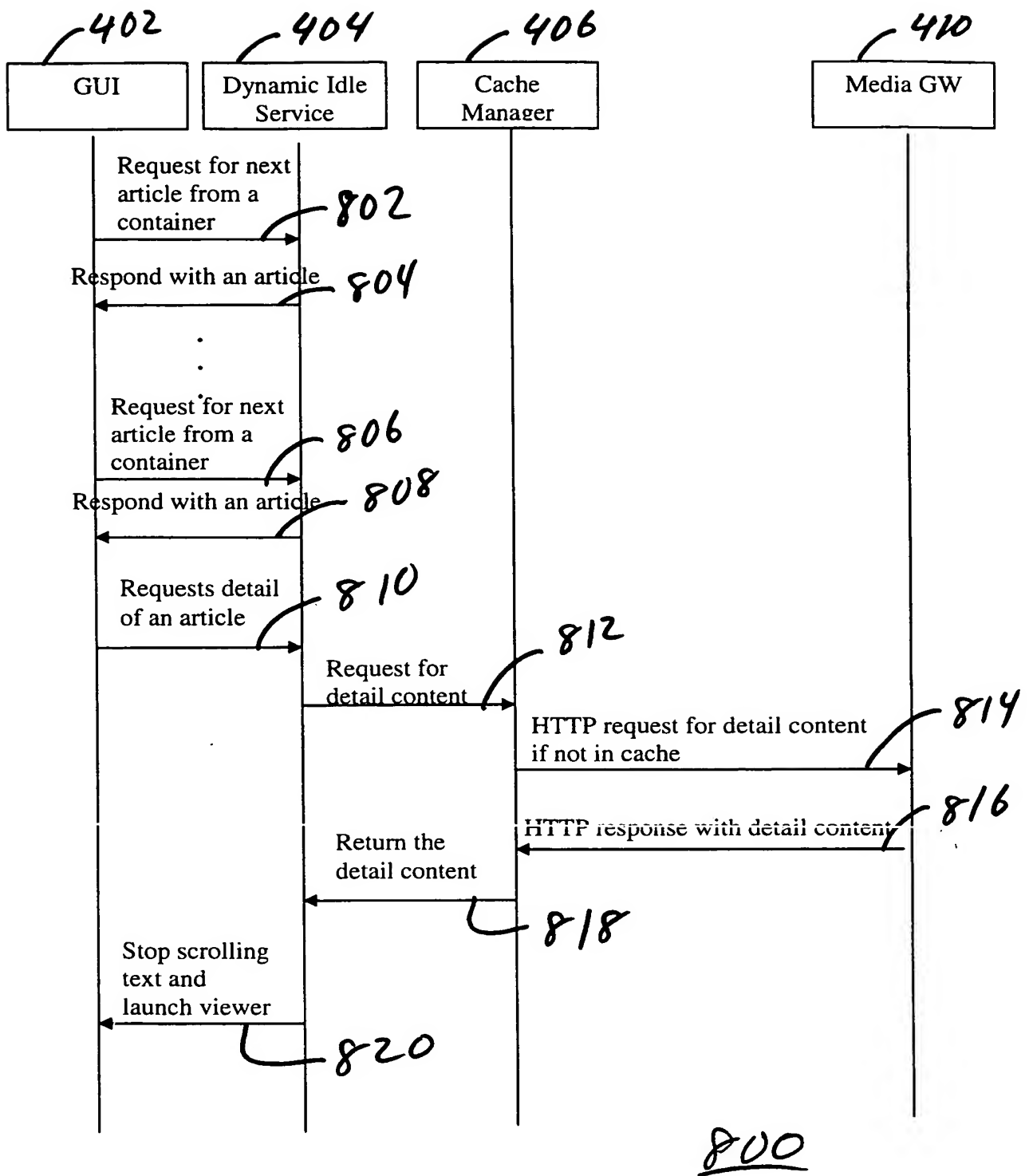


FIG. 8

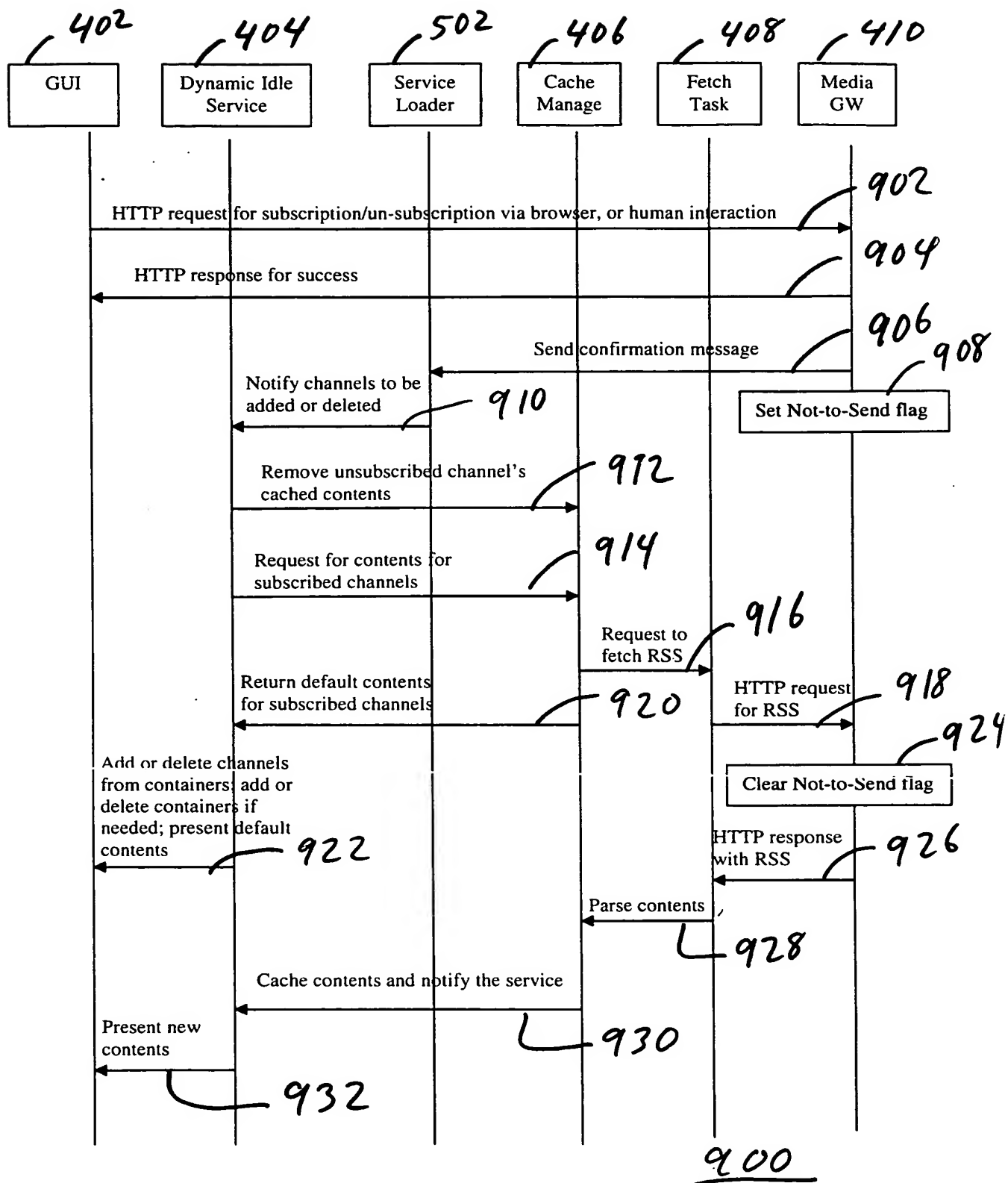


FIG. 9

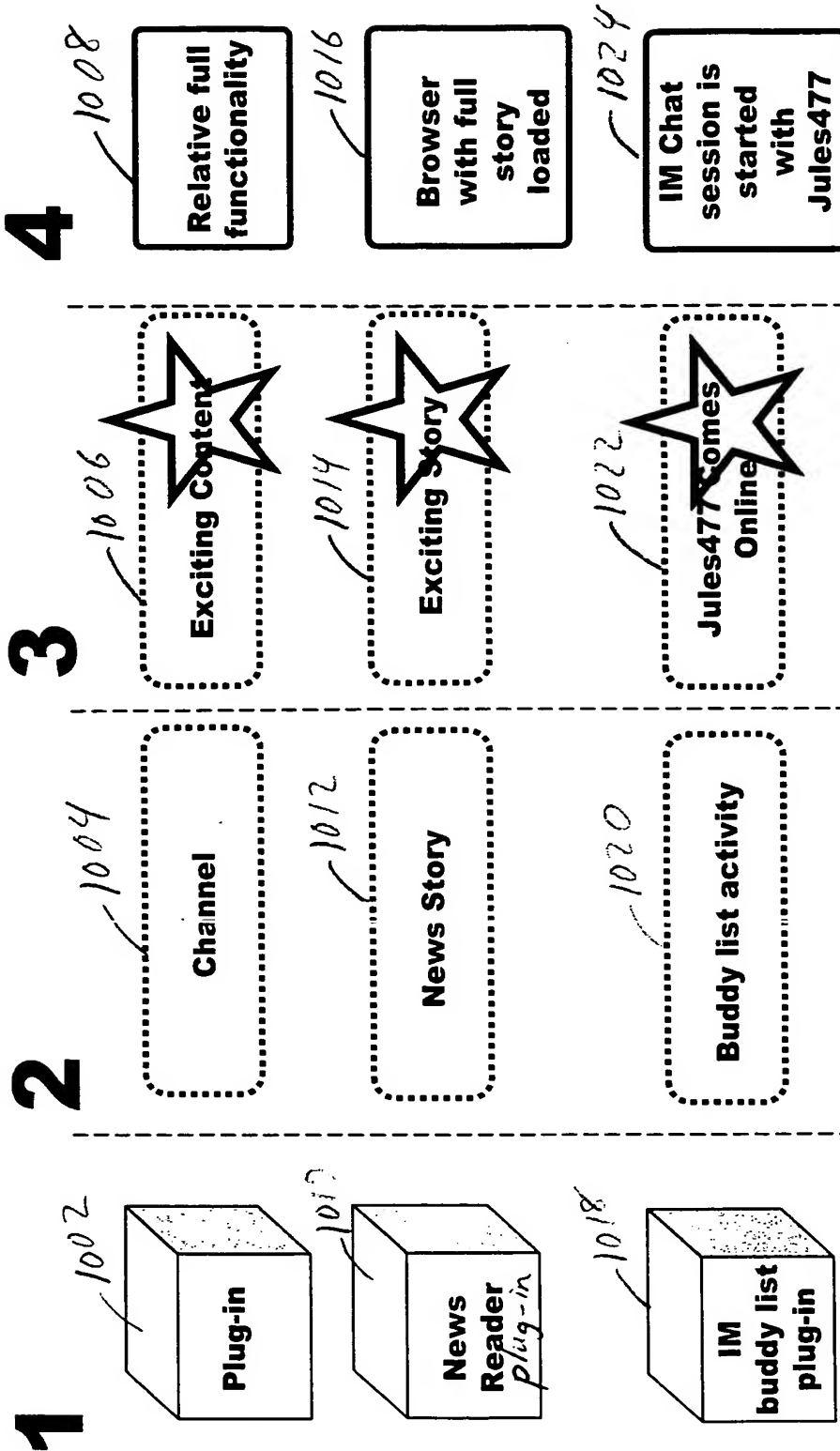


FIG. 10

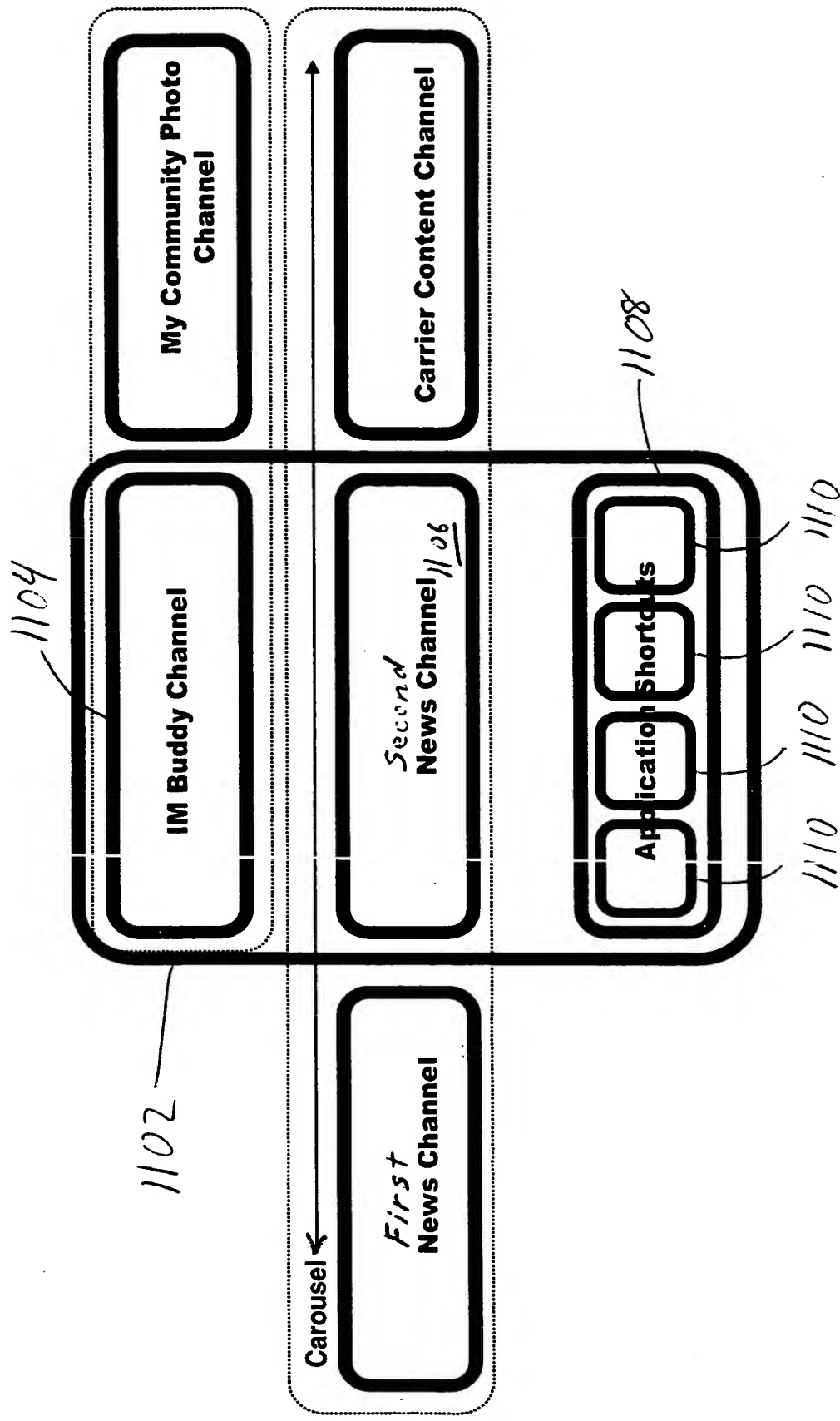
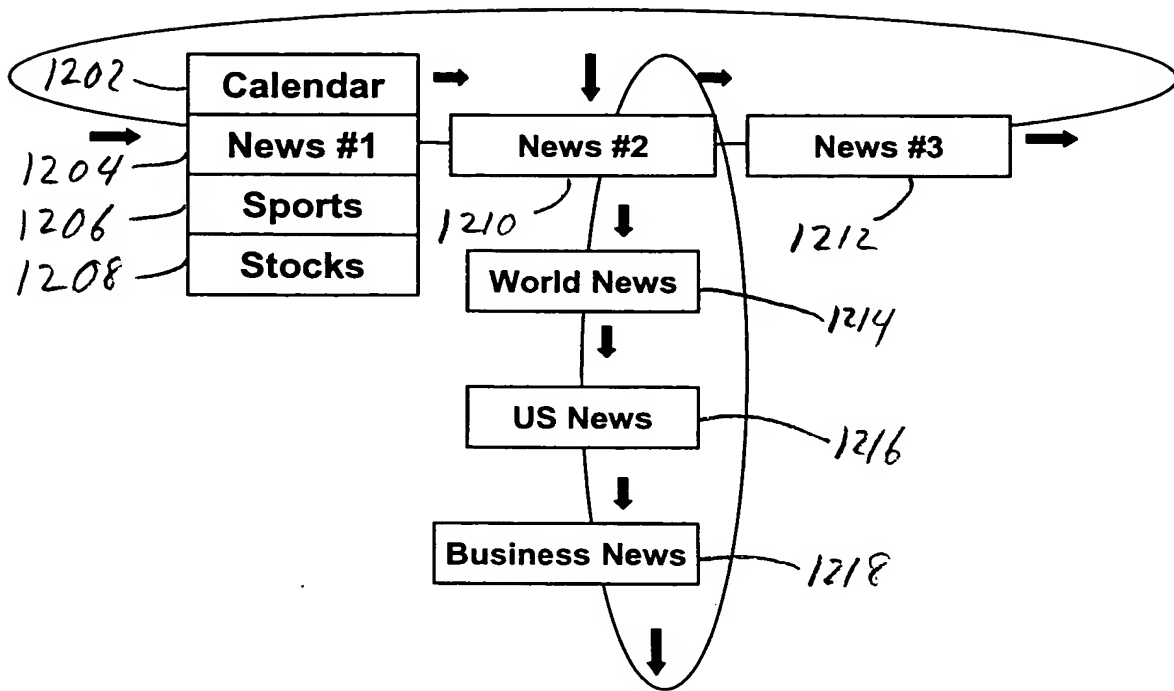


FIG. 11



1200

FIG 12



1300

FIG. 13

With time-based usage tracking

1402 1404 1406 1408 1410 1412

6:50

7:00

7:40

8:30

12:00

12:07

Juliet is asleep until 7am

Device makes connection to server at 6:50 for the weather report

Juliet wakes up and checks the weather outside before getting dressed

Device tracks this and notices she also read a news story about a new health drink.

Juliet pops open her phone and reads the New York Times headlines

The device: connected at 7:30 to get the latest headlines because she did this all last week, at approximately 7:45

Juliet drives to work and goes straight into her morning meeting then she does her daily inspection of the product line.

The device notes that she only used her phone to receive calls between 8:30 and 12:00, this was the same as last week so it only connects once during this time

Juliet sits down for lunch and sifts through all the new news stories.

The device connects to get all the new content at 11:50

She reads a promo about a new health drink and goes to the site to find out more.

Tomorrow the device will deliver health news at lunchtime as this information is obviously valuable to Juliet at this time of day.

Without time-based usage tracking (based on a 20-minute refresh rate)

6:50

7:10

7:30

7:50

8:10

8:30

8:50

9:10

Device makes a connection to the server

Device makes a connection to the server

Device makes a connection to the server

Device makes a connection to the server

Device makes a connection to the server

Device makes a connection to the server

Device makes a connection to the server

Device makes a connection to the server

FIG. 14

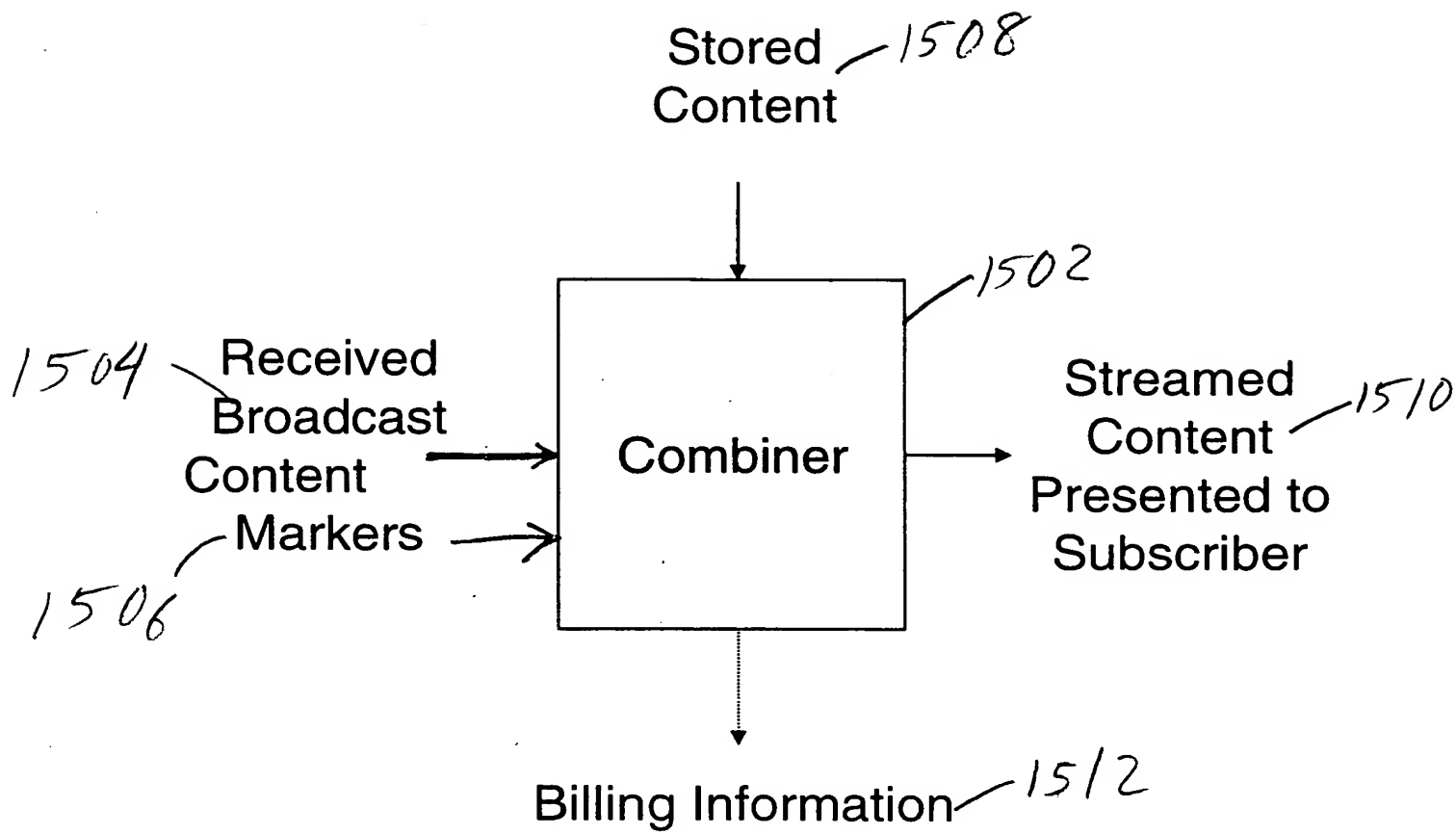
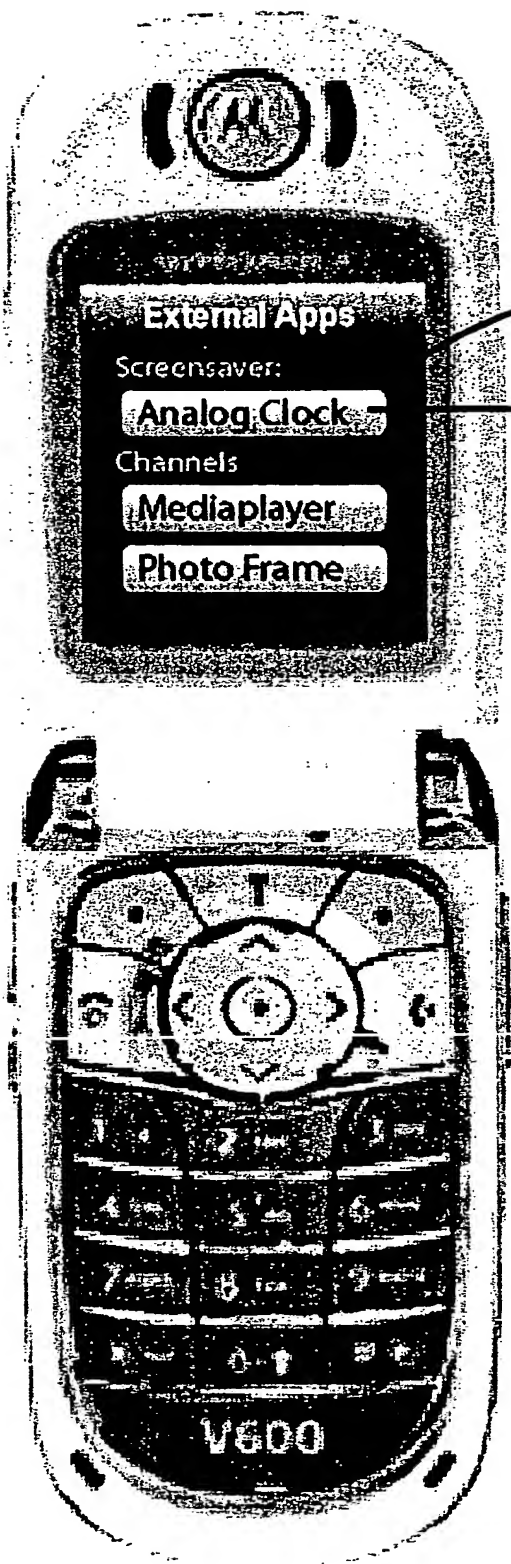
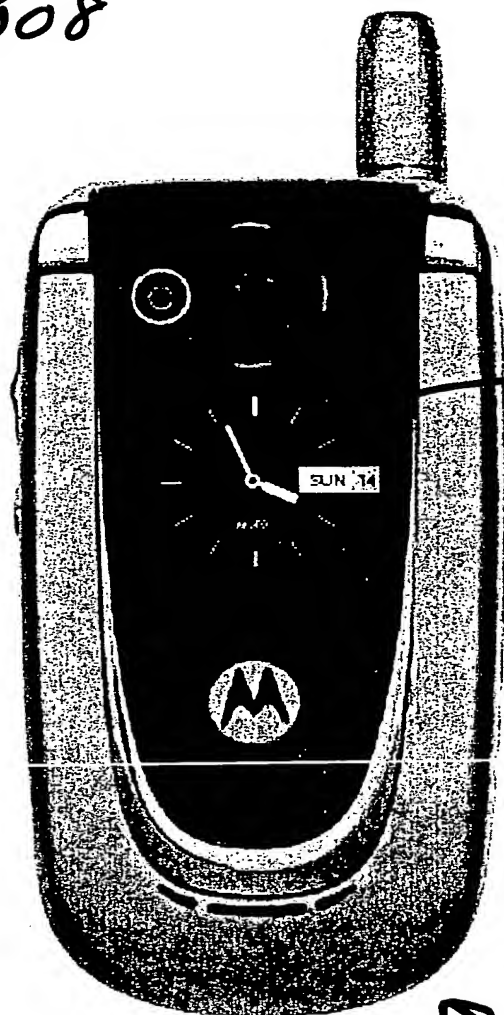


FIG. 15



1608



1606

1604

1602

1600

FIG. 16

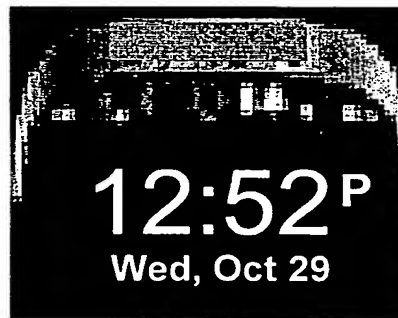
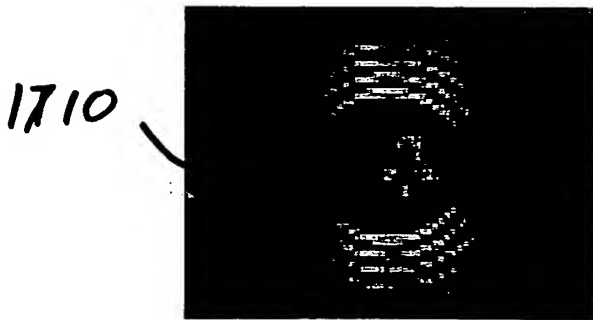
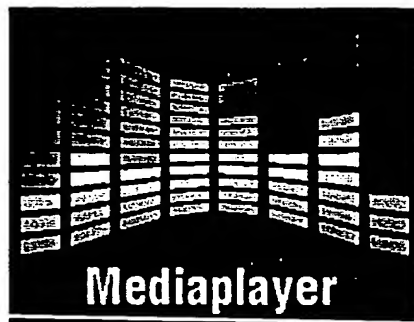
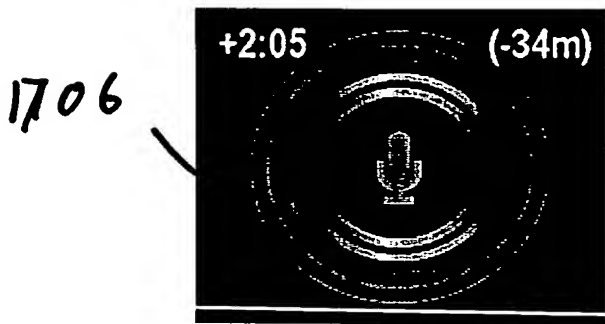
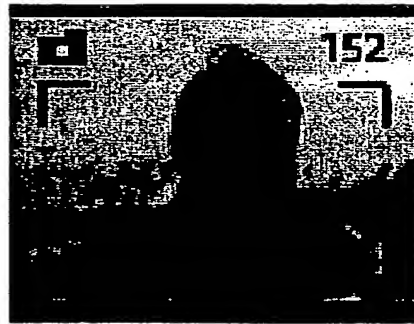
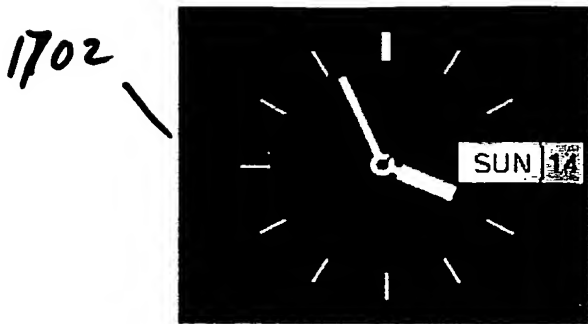


FIG. 17